

## Addendum

Referring to "MSFN/DSN Integration Program for the DSS 11 26-m Antenna Prototype Station," by R. Weber in *The Deep Space Network Progress Report*, Technical Report 32-1526, Vol. III, pp. 197-202, June 15, 1971, the following information is added:

The 5-MHz signals required for the subcarrier demodulator assemblies, which must be coherent with the receiver, will be provided by the MSFN timing system.

The Original Data Record (ODR) will be recorded on magnetic tape instead of the originally proposed APS-910 paper tape punch. This will permit the recording of a much higher tracking data sample rate, such as one sample per second, and therefore meet the *Pioneer F* requirements. The ODR data will be duplicates of the data being transmitted to the SFOF via the 4800-bps high-speed data lines. The magnetic tape units will consist of one new equipment rack, which will be added to the control rooms of each of the three integrated stations in the vicinity of the APS-910 computer.

The processing of the 29-point Antenna Pointing Predict message, as received on the high-speed data (HSD) lines, may be processed and used to drive the Antenna Position Processor (APP) simultaneously with the recording and high-speed data transmission of tracking data. However, it is not presently possible to receive the 29-point message cut a paper APP drive tape and verify the tape simultaneously with the recording and transmission of tracking data.